

PRIVATE CLOUD Pre-Pilot Sandbox

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Agenda

- Service Strategy
- Service Benefits
- Feature Comparison
- Future Features
- Pre-Pilot Sandbox
- Demo



Private Cloud Service Strategy

- The goal is to transform the current CTS virtual server service into an automated service offering comparable to commercial public cloud providers.
- Functionality
 - On-demand self-service portal
 - Capability to automatically provision, de-provision, archive compute resources
 - Secure multi-tenant infrastructure with complete business unit isolation
 - Role based access control
 - Customizable templates to support specific use cases
 - Automated billing processes



Private Cloud Service Benefits

- Self-service provisioning reduces the time to deploy new servers and services
- Automated billing reduces overhead and improves the accuracy of the billing process
- New security features improve the integrity and security of virtual servers
- Multiple usage models allow customers to pool virtual resources and reduce their monthly bill
- Can integrate multiple cloud providers to allow CTS to centralize virtual hosting in both private and public cloud environments



Feature Comparison

| | CTS | Amazon |
|-------------------------------|-----|--------|
| Automated Self Provisioning | X | X |
| Upgradable VM Resources | X | X |
| On-Demand Instances | X | X |
| Windows Licensing Included | X | X |
| VM Snapshots | X | X |
| Hypervisor Firewall Available | X | X |
| Resource Pooling Available | X | - |
| 10Gb Host Networking | X | - |



Feature Comparison

| | CTS | Amazon |
|----------------------------------------------------------------------|-----|--------|
| Supports EAD Authentication for Management | X | X |
| Automated hardware failover | X | X |
| Data stored on State maintained equipment | X | - |
| Anti-Virus/Anti-Malware Software Available | X | - |
| Intrusion Prevention Software Available | X | - |
| Environment can evolve to comply with future OCIO Security Standards | X | - |
| SGN Connectivity without VPN overhead | X | - |



Future Features

Infrastructure As A Service (IaaS+)

- Non-Windows Operating System (OS) Templates
- Database and Other Server Type Templates
- Anti-Virus
- Virtual Firewalls
- Application Load Balancing
- Backup
- Disaster Recovery
- Professional Services



Pre-Pilot Sandbox

- Sessions will be hosted at 1500 Jefferson
- Sandbox environment is running in the SDC Lab
- Users will work through at least two use cases
- Users will access the system and provide feedback on features and functionality
- First session target date will be during the week of Dec 2nd -6th
- Additional sessions will be scheduled as needed



Demo



Questions

